

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

1        1.        (Original) A system for use in a mobile communications network having a  
2        plurality of cell sites, comprising:  
3                    an interface adapted to communicate with a cell site over a network; and  
4                    a controller adapted to transmit and receive data through the interface over  
5        the network according to a packet-switched protocol.

1        2.        (Original) The system of claim 1, wherein the packet-switched protocol  
2        comprises a connectionless, packet-based protocol.

1        3.        (Original) The system of claim 1, wherein the packet-switched protocol  
2        comprises an Internet Protocol.

1        4.        (Original) The system of claim 1, wherein the interface and controller  
2        comprise elements of a General Packet Radio Service system.

1        5.        (Original) The system of claim 4, wherein the network comprises a Gb  
2        network.

1        6.        (Original) The system of claim 5, further comprising a serving General  
2        Packet Radio Service support node comprising the interface and the controller.

1        7.        (Original) A node for use in a mobile communications network having a  
2        system controller, the node comprising:  
3                    one or more radio transceivers adapted to communicate with mobile  
4        stations; and  
5                    a module coupled to the one or more radio transceivers and adapted to  
6        communicate with the system controller according to a packet-switched protocol.

1        ~~8.~~        (Original) The node of claim 7, wherein the packet-switched protocol  
2 comprises an Internet Protocol.

1        ~~9.~~        (Original) The node of claim 7, wherein the module is adapted to  
2 communicate data packets, each packet containing addresses identifying the node and the  
3 system controller.

1        ~~10.~~        (Original) The node of claim 9, wherein each packet contains Internet  
2 Protocol addresses.

1        11. - 14.        (Cancelled)

1        ~~15.~~        (Original) A method of communicating in a mobile communications  
2 system having a cell site, a system controller, and an interface between the cell site and  
3 the system controller, the method comprising:  
4                    transmitting and receiving data packets over the interface according to a  
5 packet-switched protocol.

1        ~~16.~~        (Original) The method of claim 15, wherein the transmitting and receiving  
2 comprise transmitting and receiving Internet Protocol data packets.

1        ~~17.~~        (Original) The method of claim 15, wherein the transmitting and receiving  
2 comprise transmitting and receiving over a Gb interface.

1        ~~18.~~        (Original) A serving General Packet Radio Service support node for use in  
2 a mobile communications system having cell sites, comprising:  
3                    an interface to one or more networks coupled to the cell sites, the interface  
4 comprising a packet-switched element to manage communication of packet-switched data  
5 packets to the cell sites.

1        19.    (Original) The serving General Packet Radio Service support node of  
2 claim 18, wherein the packet-switched element comprises an Internet Protocol element.

1        20.    (Original) The serving General Packet Radio Service support node of  
2 claim 18, further comprising a User Datagram Protocol transport component to manage  
3 connections over the network.

1        21.    (Original) The serving General Packet Radio Service support node of  
2 claim 18, further comprising a network services layer to transport data units containing  
3 signaling and bearer traffic over the network.

1        22. - 39.    (Cancelled)

1        40.    (New) The system of claim 1, wherein the interface comprises a network  
2 layer to manage communications of packets over the network, and a transport layer to  
3 manage connections over the network.

1        41.    (New) The system of claim 40, wherein the controller comprises a  
2 network services layer to transport packets through the transport and network layers.

1        42.    (New) The system of claim 41, wherein the network layer comprises an  
2 Internet Protocol layer.

1        43.    (New) The system of claim 42, wherein the transport layer comprises a  
2 User Datagram Protocol layer.

1        44.    (New) The system of claim 43, wherein the network services layer  
2 comprises a General Packet Radio Service network services layer.

1        45.    (New) The system of claim 2, wherein the network comprises a Gb  
2 network.

1        ~~46.~~    (New) The node of claim 7, wherein the packet-switched protocol  
2 comprises a connectionless, packet-based protocol.

1        ~~47.~~    (New) The node of claim 46, wherein the module is adapted to  
2 communicate through a Gb interface to the system controller according to the  
3 connectionless, packet-based protocol.

1        ~~48.~~    (New) The method of claim 16, wherein the transmitting and receiving  
2 comprises transmitting and receiving Internet Protocol data packets over a Gb interface.

1        ~~49.~~    (New) The serving General Packet Radio Service support node of claim  
2 19, wherein the Internet Protocol element is adapted to manage communication of  
3 Internet Protocol packets to the call site over a Gb interface.

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